

Applicant: John E. Sherry
Application No.: 09/978,383
Filing Date: October 16, 2001
Docket No.: 760-97 (formerly 498-261)
Page 2

1
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an outer covering sealed to portions of said tubular member, a pocket being defined between said tubular member and said outer covering to accommodate a pre-determined agent in forming a seal ring, said outer covering being impervious to said pre-determined agent, wherein said pocket singularly circumscribes said tubular member in an annular shape.

Please cancel claim 17. /

Please amend claim 19 as follows:

19. (Amended) A tubular prosthesis comprising:

a tubular member;

a2
an outer covering sealed to portions of said tubular member, a pocket being defined between said tubular member and said outer covering so as to form a seal ring, said pocket singularly circumscribing said tubular member in an annular shape; and

a filling agent disposed in said pocket.

Please cancel claims 26 and 27. /

Please amend claim 29 as follows:

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29. (Amended) A method of treating an aneurysm, the method comprising the steps of:

Applicant: John E. Sherry
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Filing Date: October 16, 2001
Docket No.: 760-97 (formerly 498-261)
Page 3

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implanting endovascularly an endovascular prosthesis including a tubular member, and
an outer covering sealed to portions of said tubular member, a pocket being defined between said
tubular member and said outer covering; and

conveying an amount of filling agent into said pocket of said implanted endovascular
prosthesis, said amount being sufficient to at least partially fill said pocket to form a seal ring
such that said pocket is in at least partial contiguous contact with a wall of blood vessel in
proximity to the aneurysm.

Please cancel claim 31. /

Please add new claims 36-39 as follows:

36. (New) A prosthesis as in claim 1 further comprising at least one channel in fluid
communication with said pocket.

a4
37. (New) A prosthesis as in claim 19 further comprising at least one channel in fluid
communication with said pocket.

38. (New) A tubular prosthesis comprising:
a tubular member, and

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Docket No.: 760-97 (formerly 498-261)
Page 4

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an outer covering sealed to portions of said tubular member, a pocket being defined between said tubular member and said outer covering to accommodate a pre-determined agent, said outer covering being impervious to said pre-determined agent, wherein said outer covering is pervious to a therapeutic agent disposed in said pocket.

39. (New) A tubular prosthesis comprising:

a tubular member, and

an outer covering sealed to portions of said tubular member, a pocket being defined between said tubular member and said outer covering to accommodate a pre-determined agent, said outer covering being impervious to said pre-determined agent, wherein said pocket is formed to be expandable with said outer covering being pleated about said pocket.